

* Sam, per your request here is some general info on the pesticides we talked about...hope it is helpful...call if you need more info....Bobbie (6-0840)

Endrin/Endrin Aldehyde

The aldehyde is an impurity or breakdown product.

Exposure to large amounts (via ingestion) can cause convulsions and death. Less severe symptoms include headaches, convulsions, dizziness, vomiting and nervousness and confusion. The main target is the nervous system. There is no information on birth defects in humans although some animal studies have demonstrated birth defects. It is not classified as a carcinogen.

Levels to think about...

FDA level for bottled water 0.2 ug/l
NIOSH considers levels 0.1 mg/m3 to be dangerous
OSHA sets limit in air 0.1 mg/m3.

Heptachlor/heptachlor epoxide

Short term exposure to high levels could cause tremors and convulsions--based on animal studies and human responses to similar chemicals.

Long term, chronic exposure may, again based on animal info, cause liver and kidney effects and may be associated with infertility and developmental problems in off spring.

EPA defined as probable human carcinogen based on studies demonstrating liver cancer in other animal species.

Levels to think about..

NIOSH 100 mg/m3 is immediately dangerous to health
EPA has limit of 0.1 ppm on farm products

Animal studies show non cancer effects at doses of less than 0.1 mg/kg body weight/day for long term exposure (Liver toxicity). Liver toxicity is seen in animal studies at 1mg/kg/day for short term exposures.

DDT, DDE, DDD

Short term exposures to high doses effects nervous system can cause tremors and seizures. Some exposed individuals complained of rashes and irritation of eyes nose and throat.

Long term exposures to lower levels produced changes in liver enzymes in humans, Animal data also suggest possible liver and reproductive effects.

All are classified by EPA as probable human carcinogens

Levels to think about....

Based on voluntary exposure of humans-ingestion of 6-10 mg/kg may trigger complaints of sweating, headache and nausea..ingestion of 16 mg/kg of body weight may trigger convulsions.

OSHA limit for 8 hr shift 1 mg/m³.